Name:

p1103: Expand Product of Linear Binomials (v14)

Question 1

Expand the product of linear binomials. $(x - 9)(x - 4)$

$$x^2 - 4x - 9x + 36$$

$$x^2 - 13x + 36$$

Question 2

Expand the product of linear binomials. $(x + 4)(x - 1)$

$$x^2 - x + 4x - 4$$

$$x^2 + 3x - 4$$

Question 3

Expand the product of linear binomials. $(x + 3)(x - 5)$

$$x^2 - 5x + 3x - 15$$

$$x^2 - 2x - 15$$

Question 4

Expand the product of linear binomials. $(-x + 7)(-x + 6)$

$$x^2 - 6x - 7x + 42$$

$$x^2 - 13x + 42$$

Question 5

Expand the product of linear binomials. $(9x + 4)(8x + 1)$

$$72x^2 + 9x + 32x + 4$$

$$72x^2 + 41x + 4$$

Question 6

Expand the product of linear binomials. $(x+5)(x+8)$

$$x^2+8x+5x+40$$

$$x^2+13x+40$$

Question 7

Expand the product of linear binomials. $(-7x-5)(-6x+1)$

$$42x^2-7x+30x-5$$

$$42x^2+23x-5$$

Question 8

Expand the product of linear binomials. $(x+6)(x+2)$

$$x^2+2x+6x+12$$

$$x^2+8x+12$$

Question 9

Expand the product of linear binomials. $(-8x+9)(3x+5)$

$$-24x^2-40x+27x+45$$

$$-24x^2-13x+45$$

Question 10

Expand the product of linear binomials. $(3x+5)(2x+7)$

$$6x^2+21x+10x+35$$

$$6x^2+31x+35$$